

CLAIMS

What is claimed is:

1. A method for integrating material quality data, used to connect manufactories of a manufacturer through a network communication system to a system for integrating material quality data, so as to allow the manufactories to immediately monitor qualities of incoming materials provided by material suppliers, wherein the integrating system has a supplier database for storing basic data of the material suppliers and an examination database for storing quality examined data established by the manufactories, and each of the material suppliers has a supplier code corresponding to the basic data thereof; the method comprising the steps of:

(1) submitting a request for establishing quality examined data of an incoming material via a user at a terminal device of a manufactory through a browser of the terminal device and the network communication system to the integrating system; transmitting a data input table to the browser of the terminal device via the integrating system, so as to allow the user to input the quality examined data; and storing the quality examined data inputted by the user via the integrating system into the examination database, wherein the quality examined data includes a supplier code of a material supplier who provides the incoming material, and a material name of the incoming material;

(2) submitting a request for inquiring material incoming conditions of material suppliers via the manufactory to the integrating system; searching via the integrating system in the examination database for quality examined data corresponding to supplier codes of the material suppliers, and integrating the searched quality examined data of the same supplier code, so as to calculate a number of incoming material categories, a number of times of material inferiority in quality examination and a quantity of incoming materials for each

of the material suppliers; and displaying the calculated data via the integrating system in a form of a quality display table on the browser of the terminal device, so as to allow the user at the terminal device to obtain the material incoming conditions of the material suppliers; and

5 (3) submitting a request for inquiring a quality condition of an incoming material provided by a certain material supplier via the manufactory to the integrating system; retrieving quality examined data from the examination database via the integrating system corresponding to a supplier code and a material name inputted by the user at the terminal device; and displaying the retrieved quality examined data via the integrating system in a form of a condition display table on the browser of the terminal device, so as to allow the user to obtain the material quality condition of the quality examined data.

10 2. The method of claim 1, wherein in the step (1), the quality examined data of the incoming material include: a material category number, the material name, the supplier code, a total quantity of the material, a sampling quantity of the material for examination, a quantity of inferior material, a report of material inferiority, and a quantity of the material passing the examination.

15 3. The method of claim 1, wherein prior to performing the step (2), the integrating system searches the examination database if there are newly-established quality examined data relating to an incoming material inferior in quality; and if such quality examined data are available, the integrating system forms a condition display table by the searched quality examined data of material inferiority, and displays the condition display table through the network communication system to the browser of the terminal device of the manufactory, so as to immediately inform the manufactory of a warning message of material inferiority.

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4. The method of claim 1, wherein in the step (2), the quality display table of the material supplier includes quality data of incoming materials provided by the material supplier, and the quality data include the number of the incoming material categories, the number of times of material inferiority in quality examination, a report of material inferiority, a sampling quantity of the incoming materials for quality examination and the quantity of the incoming materials, whereas the supplier code of the material supplier is used as an identification number of the quality data.
5. The method of claim 1, wherein in the step (2), the material incoming condition of the material supplier is determined for a period of time, so as to allow the manufactory to realize a material supplying condition of the material supplier for determining a material number for examination.
6. The method of claim 1, wherein in the step (3), the material quality condition of the quality examined data is determined for a period of time, so as to allow the manufactory to realize a material supplying condition of the material supplier for determining a material number for examination.
7. The method of claim 1, wherein the network communication system is internet or intranet.
8. A system for integrating material quality data, connected to manufactories of a manufacturer through a network communication system, so as to allow the manufactories to immediately monitor qualities of incoming materials provided by material suppliers, wherein the integrating system has a supplier database for storing basic data of the material suppliers, and each of the material suppliers has a supplier code corresponding to the basic data thereof; the system comprising:
 - an examination database for storing quality examined data established by an manufactory;
 - an analyzing module for receiving an input request submitted by a user at a

terminal device of the manufactory, and for generating a corresponding signal according to the input request;

a tabling module having a plurality of tables, for transmitting a corresponding table according to the corresponding signal generated by the analyzing module, and for displaying the corresponding table to a browser of the terminal device for display, so as to allow the user to input data or obtain desired data according to the displayed table; and

a retrieving module for retrieving the inputted data of the user at the terminal device from the displayed table, wherein if the user submits a request for establishing quality examined data of an incoming material to the analyzing module, the tabling module is prompted by the analyzing module to transmit a data input table to the browser of the terminal device for allowing the user to input the quality examined data; and if the quality examined data are inputted by the user and transmitted to the analyzing module, the retrieving module is prompted to receive the quality examined data from the analyzing module, and take a supplier code in the quality examined data as an identification number, allowing the quality examined data to be stored in the examination database.

9. The system of claim 8, wherein if the user at the terminal device of the manufactory submits a request for inquiring material incoming conditions of material suppliers to the analyzing module, the retrieving module is prompted by the analyzing module to search in the examination database for quality examined data corresponding to supplier codes of the material suppliers, and the analyzing module integrates the searched quality examined data of the same supplier code, so as to calculate a number of incoming material categories, a number of times of material inferiority in quality examination a sampling quantity of incoming materials for quality examination and a quantity of the incoming materials for each of the material suppliers; and the tabling module is prompted

by the analyzing module to display the calculated data in a form of a quality display table on the browser of the terminal device, whereas the quality display table includes quality data of the incoming materials provided by the material supplier, and the quality data include the number of the incoming material categories, the number of times of material inferiority in quality examination, a report of material inferiority, the sampling quantity of the incoming materials for quality examination and the quantity of the incoming materials, allowing the supplier code of the material supplier to be used as an identification number of the quality data.

10. The system of claim 8, wherein if the user at the terminal device submits a request for inquiring a quality condition of an incoming material to the analyzing module, the retrieving module is prompted by the analyzing module to retrieve quality examined data from the examination database corresponding to a material name of the incoming material, and the tabling module is prompted by the analyzing module to display the retrieved quality examined data in a form of a condition display table on the browser of the terminal device.

11. The system of claim 8, wherein the retrieving module is prompted by the analyzing module to search the examination database if there are newly-established quality examined data relating to an incoming material inferior in quality; and if such quality examined data are available, the analyzing module forms a condition display table by the searched quality examined data of material inferiority, and displays the condition display table through the network communication system to the browser of the terminal device of the manufactory, so as to immediately inform the manufactory of a warning message of material inferiority.

12. The system of claim 8, wherein the network communication system is internet or intranet.

13. A system for integrating material quality data, connected to manufactories of a manufacturer through a network communication system, so as to allow the manufactories to immediately monitor qualities of incoming materials provided by material suppliers, wherein the integrating system has a supplier database for storing basic data of the material suppliers, and each of the material suppliers has a supplier code corresponding to the basic data thereof; the system comprising:

an examination database for storing quality examined data established by an manufactory;

an analyzing module for receiving an input request submitted by a user at a terminal device of the manufactory, and for generating a corresponding signal according to the input request;

a tabling module having a plurality of tables, for transmitting a corresponding table according to the corresponding signal generated by the analyzing module, and for displaying the corresponding table to a browser of the terminal device for display, so as to allow the user to input data or obtain desired data according to the displayed table, wherein the tabling module stores at least a data input table, a quality display table and a condition display table; and

a retrieving module for retrieving the inputted data of the user at the terminal device from the displayed table, wherein if the user submits a request for establishing quality examined data of an incoming material to the analyzing module, the tabling module is prompted by the analyzing module to transmit the data input table to the browser of the terminal device for allowing the user to input the quality examined data relating to a category number of the material, a name of the material, a supplier code of a material supplier who provides the material, a quantity of the material, a sampling quantity of the material for quality examination, a quantity of the material inferior in quality, a report of material inferiority and a quantity of the material passing the

examination; if the quality examined data are inputted by the user and transmitted to the analyzing module, the retrieving module is prompted to receive the quality examined data from the analyzing module, and take the supplier code of the material supplier in the quality examined data as an identification number, allowing the quality examined data to be stored in the examination database; if the user at the terminal device of the manufactory submits a request for inquiring material incoming conditions of material suppliers to the analyzing module, the retrieving module is prompted by the analyzing module to search in the examination database for quality examined data corresponding to supplier codes of the material suppliers, and the analyzing module integrates the searched quality examined data of the same supplier code, so as to calculate a number of incoming material categories, a number of times of material inferiority in quality examination a sampling quantity of incoming materials for quality examination and a quantity of the incoming materials for each of the material suppliers; and the tabling module is prompted by the analyzing module to display the calculated data in a form of the quality display table on the browser of the terminal device, whereas the quality display table includes quality data of the incoming materials provided by the material supplier, and the quality data include the number of the incoming material categories, the number of times of material inferiority in quality examination, a report of material inferiority, the sampling quantity of the incoming materials for quality examination and the quantity of the incoming materials, allowing the supplier code of the material supplier to be used as an identification number of the quality data; and if the user at the terminal device submits a request for inquiring a quality condition of an incoming material to the analyzing module, the retrieving module is prompted by the analyzing module to retrieve quality examined data from the examination database corresponding to a material name of the incoming material, and the tabling module is prompted by the

analyzing module to display the retrieved quality examined data in a form of the condition display table on the browser of the terminal device.

14. The system of claim 13, wherein the retrieving module is prompted by the analyzing module to search the examination database if there are newly-established quality examined data relating to an incoming material inferior in quality; and if such quality examined data are available, the analyzing module forms a condition display table by the searched quality examined data of material inferiority, and displays the condition display table through the network communication system to the browser of the terminal device of the manufactory, so as to immediately inform the manufactory of a warning message of material inferiority.
15. The system of claim 13, wherein the network communication system is internet or intranet.